## AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

## LISTING OF CLAIMS

1. (Original) An axle shaft assembly for a motor vehicle comprising: a bearing unit;

an axle shaft rotatably supported by the wheel bearing unit, the axle shaft having an outer diameter; and

a bearing retainer mounted on the axle shaft and abutting the wheel bearing unit, the bearing retainer having a piloting feature for aligning the bearing retainer with respect to a rotational axis of the axle shaft, the piloting feature including a pilot surface with an inner diameter approximately equal to the outer diameter of the axle shaft.

- 2. (Original) The axle shaft assembly of claim 1, wherein the inner diameter is about .0035 inch to about .0064 inch larger than the outer diameter of the axle shaft.
- 3. (Original) The axle shaft assembly of claim 1, wherein the bearing retainer includes a shoulder formed thereon, the shoulder engages the wheel bearing unit and applies a preload to the wheel bearing unit.

- 4. (Original) The axle shaft assembly of claim 1, wherein the bearing retainer includes a chamfered edge extending from the pilot surface to an end of the bearing retainer.
- 5. (Original) The axle shaft assembly of claim 1, wherein the bearing retainer includes a plurality of drive flanks formed thereon.
- 6. (Original) The axle shaft assembly of claim 1, wherein the axle shaft includes a thread portion and the bearing retainer includes a thread portion matched to the thread portion of the axle shaft.
- 7. (Original) The axle shaft assembly of claim 6, wherein the thread portion is less restrictive than a class 6H thread.
- 8. (Original) The axle shaft assembly of claim 1, further comprising an anti-lock braking sensor mounted to a tubular sheath surrounding the axle shaft, the anti-lock braking sensor capable of detecting the rotational speed of the axle shaft.
- 9. (Original) The axle shaft assembly of claim 8, wherein the bearing retainer includes a tone wheel with plurality of teeth extending radially outward and detectable by the anti-lock braking sensor.
- 10. (Original) The axle shaft assembly of claim 1, further including a snap ring mounted to the axle shaft for securing the bearing retainer to the axle shaft.

11. (Original) A bearing retainer adapted to be mounted on an axle shaft in a motor vehicle, the bearing retainer comprising:

a nut portion defining a bore with a thread formed within the bore adapted to engage a thread formed on the axle shaft, the thread having a locking feature adapted to lock the bearing retainer to the axle shaft;

a tone wheel portion extending around the nut portion and including a plurality of teeth extending radially out from the nut portion; and

a piloting feature formed within the bore and including a pilot surface adapted to align the bearing retainer to the axle shaft and a chamfer edge for assisting in aligning the bearing retainer to the axle shaft.

12. (Original) An axle shaft assembly for a motor vehicle comprising:
an axle shaft having an outer diameter with a piloting feature formed
thereon;

a bearing unit for rotatably supporting the axle shaft;

a bearing retainer threadably coupled to the axle shaft; and

a rotating component of a wheel speed sensor, the rotating component being located between the bearing retainer and the bearing unit, the rotating component including a complementary piloting feature that cooperates with the piloting features on the axle shaft to align the rotating component to a rotational axis of the axle shaft;

wherein at least one of the piloting feature and complementary piloting feature is tapered about at least a portion of its circumference.

- 13. (Original) The axle shaft assembly of claim 12, wherein one of the piloting feature is at least partially tapered and the complementary piloting feature includes a cylindrical bore that is sized to at least partially receive the tapered portion of the piloting feature.
- 14. (Original) The axle shaft assembly of claim 12, wherein the piloting feature further includes a cylindrical stem and wherein the cylindrical bore at least partially receives the cylindrical stem.
- 15. (Original) The axle shaft assembly of claim 14, wherein a nominal size of the cylindrical stem is sized less than about 0.01 inch smaller than a nominal size of the cylindrical bore.
- 16. (Original) The axle shaft assembly of claim 15, wherein the nominal size of the stem is less than about 0.005 inch smaller than the nominal size of the cylindrical bore.
- 17. (Original) The axle shaft assembly of claim 12, wherein the rotating component and the bearing retainer are unitarily formed.
- 18. (Original) The axle shaft assembly of claim 17, wherein a plurality of teeth extend radially outwardly from a body of the rotating component.

- 19. (Original) The axle shaft assembly of claim 18, wherein an abutting shoulder is formed on the rotating component, the abutting shoulder contacting the bearing unit at a predetermined location so as to axially space the teeth apart from the bearing unit.
- 20. (Currently amended) An axle shaft assembly for a motor vehicle, comprising:

an axle shaft; and

a wheel speed sensor having a rotating component and a stationary component, the rotating component being configured to rotate with the axle shaft, the rotating component having an internally threaded portion adapted to engage a thread formed on the axle shaft, the rotating component further including a pilot feature formed thereon for aligning the rotating component with the axle shaft.

21. (Cancelled)